

IN THE ABSTRACT

Please add the following abstract.

ABSTRACT

The invention concerns a method for producing acrylic acid from propane, in the absence of molecular oxygen which consists in: a) introducing a gas mixture free of molecular oxygen and comprising propane, water vapour, and, optionally, an inert gas, into a first reactor with fluidized catalytic bed, b) at the first reactor output, separating the gases from the catalyst, c) recycling the catalyst into a regenerator, d) introducing the gases into a second reactor with fluidized catalytic bed, e) at the second reactor output, separating the gases from the catalyst and recovering acrylic acid contained in the separated gases, f) recycling the catalyst into the regenerator, and g) reintroducing the regenerated catalyst from the regenerator into the first and second reactors.